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Jameco Part Number 199751

Safety Compliance

FCC Part 15 Compliance Statement

This equipment has been tested and found to comply with the limits for class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in residential installations.

This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in any particular installation. If the equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an electrical outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Declaration of Conformity

The device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

(1) The device may not cause harmful interference.

(2) The device must accept any interference received, including interference that may cause undesired operation.

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The manufacturer assumes no responsibility directly or indirectly, for financial losses or claims from third persons resulting from the use of this product and any of its functions.

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1. INTRODUCTION

Thanks for your purchase of a Cyber Drive CD-RW drive. The CD-RW drive can read and write CD-R and CD-RW discs.

This User's Manual explains how to install and use the CD-RW drive.

1.1 ITEM CHECKLIST

Before beginning the installation, please make sure that all of the following items are included in your CD-R/RW package.

Item	Quantity	Remark
CD-R/RW drive unit	1	
User's manual	1	
Quick installation guide	1	
Audio cable	1	
Mounting screws	4	
Blank CD-R disc	1	Gift packing only
Blank CD-RW disc	1	Gift packing only
Recording software	1	

1.2 FEATURES

. E-IDE/ATAPI interface

. Half height, 5.25 inch form factor

. Motorized tray loading, Open/Close is controlled by the EJECT button or by a software command or mechanical eject

. CD-DA, CD-ROM/XA, Photo-CD (Multi-Session), VIDEO CD, CD Plus compatible.

. CD-R disc recordable and CD-RW disc rewritable capability

. Audio playback capability – controlled by a software utility

. Headphone connector on front panel with volume control

. Recording method: Disk-at-once, Track-at-once, (Session-at-once), Multi-session, Packet-writing (Fix/variable length).

1.3 POWER SAVE MODE

. When the drive unit waits for a command from the host for more than five minutes, it enters the power save mode. The spindle motor and laser stop.

. The drive unit restarts automatically when a host command is received.

1.4 SAFETY NOTICE

. The CD-R/RW drive should not be exposed to water or other liquids in order to avoid the danger of electric shock.

. The cover of the CD-R/RW drive protects the user from electric shock and invisible laser radiation.

. Do not attempt to remove this cover. There are no user serviceable parts inside.

2. PRECAUTIONS

2.1 INSTALLATION PRECAUTIONS

(1) Do not install the CD-R/RW drive in a place where the temperature may exceed the maximum specified operating temperature. (see 4.3)

(2) Avoid excessively dusty or polluted environments which would tend to make the pickup head lens dirty.

2.2 OPERATION PRECAUTIONS

(1) To avoid errors, do not move the CD-R/RW drive during operation.

(2) Do not operate the CD-R/RW drive in a high temperature or/and a high humidity environment.

(3) When placing a disc in the tray, be careful not to touch or scratch its surface.

2.3 HANDLING PRECAUTIONS

(1) Before moving the CD-R/RW drive, please make sure that the disc has been removed and the tray is closed.

(2) To avoid contamination of disc surfaces, always handle discs by their edges.

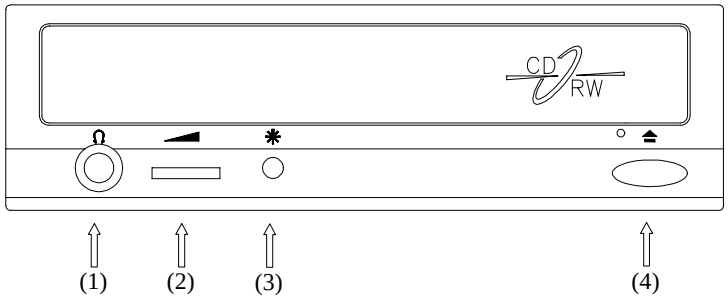
(3) Never bend a disc or expose it to direct sunlight.

2.4 CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

3. PARTS AND FUNCTIONS

3.1 FRONT PANEL



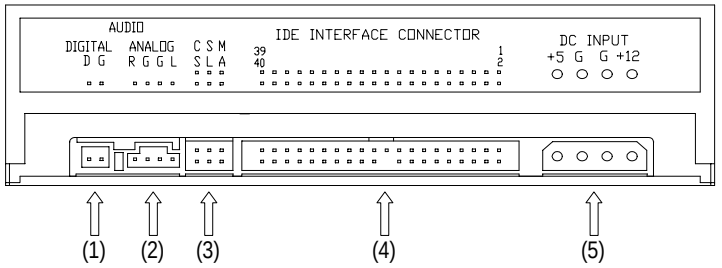
(1) EARPHONE JACK - Accepts a 3.5mm stereo mini plug

(2) VOLUME - Adjusts the audio output level

(3) BUSY INDICATOR - Lights up green and stays lit when a disc is loaded readily or a disc is not being accessed. The light shines or flashes green when the disc is being accessed. The light goes out when an illegal disc is loaded or some hardware trouble occurs.

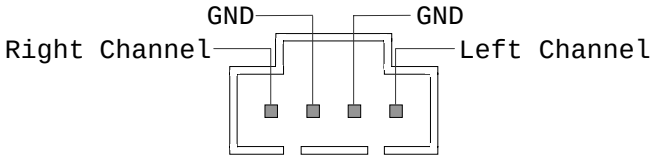
(4) EJECT BUTTON – Opens and closes the tray

3.2 REAR PANEL

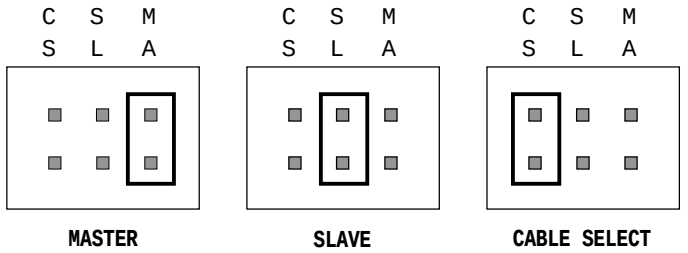


(1) DIGITAL AUDIO OUTPUT - Digital output format for low noise transmission of audio data.

(2) ANALOG AUDIO OUTPUT - Two channels, left and right audio outputs.



(3) JUMPER SELECTION - To determine the Jumper setting (Master or Slave)



* Note: The default is the **SLAVE** mode.

(4) INTERFACE CONNECTOR - For connecting the drive with the 40-pin IDE cable to the Mainboard or a Host Adapter Card

(5) DC (IN) CONNECTOR - To be connected to a standard power supply

4. SPECIFICATIONS

4.1 ERROR RATES

(1) Soft read errors	Less than 10^{-9}
(2) Hard read errors	Less than 10^{-12}

4.2 AUDIO PERFORMANCE

(1) Number of channels	2
(2) Frequency response	20 Hz•20 KHz (+0.5dB, -3.0dB)
(3) S/N ratio	>65 dB (f = 1 KHz)
(4) Distortion	< 0.1% (LPF 20 KHz, f = 1 KHz)
(5) Output level	
Line out	0.7 Vrms (1 KHz)
Headphone	0.7 Vrms (32 ohms headphone connected)

4.3 ENVIRONMENTAL CONDITIONS

ITEMS	OPERATING	NON-OPERATING
Temperature	+5• ~ +45•	-20• ~ +60•
Humidity	20% ~ 80% (No condensation)	20% ~ 90% (No condensation)
Shock	2G (11ms)	60G (11ms)
Vibration	0.35g (5 ~ 500Hz)	PSD=.008g^2/Hz
MTBF	100,000 POH (25% duty, seek and read)	

* Note: Specifications are subject to change without prior notice.

5. INSTALLATION

5.1 CD-R/RW DRIVE INSTALLATION

Please use an available 5.25" half-height drive bay in your computer and slide the CD-R/RW drive into the slot. Secure the drive in place either with the screws and brackets from your computer or the mounting screws delivered with the drive.

5.2 CABLE INSTALLATION (See 3.2)

(1) Please connect the 40-pin IDE cord.

(2) Please make sure that the HDD is set as master, and the CD-R/RW drive as slave. (The default mode of CD-R/RW drive is slave.)

(3) Please connect the power cord with the CD-R/RW drive.

6. TROUBLE SHOOTING

6.1 COMMONLY ENCOUNTERED PROBLEMS AND THEIR SOLUTIONS

If the CD-R/RW drive does not operate properly, please check:

(1) Are both ends of all cables securely attached? Are any of the cables frayed or damaged?

(2) Is the disc inserted correctly? The label must be facing up.

(3) If any other hardware add-on cards are installed in the computer, are they using the same address port as the CD-R/RW drive? If so, there will be a hardware conflict, which you can solve by reconfiguring the address port of the CD-R/RW drive.

If no sound comes from the speakers:

(1) Have the connections between the LINE OUT jacks and the input terminals of the amplifier and/or speakers been properly made?

(2) Is power to the amplifier and/or speakers turned on?

If no sound comes form headphones:

(1) Are the headphones properly connected to the headphone jack? Is the headphone cord frayed or damaged?

(2) Is the volume adjustment (on the front panel) set properly?

If you still need assistance or if the methods listed above can not solve the problem, please consult your dealer.

*** Notice Information**

This product does not include an installation disc. If your computer is operated by Windows 95/98/ME/XP, Windows NT/2000, OS/2 Warp or Linux, the device driver is originally included in the Operating System. There is no need to install a driver software.

If the CD-RW drive is not automatically found by the Operating System, please install the Busmaster driver, which is delivered with the mainboard.

If you need any further information, please contact the subsidiary responsible for your territory on one of the following web sites:

Territories	*Web Site*
Asia/ Africa/ Australia	*http://www.cyberdrive.com.tw/*
Europe/ Middle East	*http://www.cyberdrive.de/*
North-/ South America/ Canada	*http://www.cyberdriveusa.com/*
Japan	*http://www.cybertek.co.jp/*